

METHODS FOR REGULATING BETA-OXIDATION IN PLANTS

ABSTRACT OF THE DISCLOSURE

The invention relates to the genetic manipulation of plants to increase oil accumulation in plant tissues, particularly seeds. Methods for decreasing β -oxidation in plants and optimizing oil accumulation in a seeds are provided. The methods find use in
5 increasing the accumulation of oil or particular oil constituents in plant seeds. Isolated nucleotide molecules, isolated proteins, expression cassettes and transformed plants, plant tissues and plant cells are additionally provided.